

**Table 7-1**  
**Summary of Human Health Risks**  
**Upland and Non-Tidal Wetland Areas**  
**Investigation Area H1**  
**Mare Island, Vallejo, California**

Current Exposure Scenario			Future Exposure Scenario				
Location	Recreational User		Location	Recreational User		Construction Worker	
	Cancer Risk	Hazard Index <sup>1</sup>		Cancer Risk	Hazard Index <sup>1</sup>	Cancer Risk	Hazard Index <sup>1</sup>
<b>Upland Areas</b>							
All Exposure Media	$5.2 \times 10^{-5}$	0.30	All Exposure Media	$5.5 \times 10^{-5}$	0.360	$9.2 \times 10^{-6}$	1.5
Soil (0 to 2 Feet)	$5.0 \times 10^{-5}$	0.21	Soil (0 to 10 Feet)	$5.3 \times 10^{-5}$	0.270	$8.8 \times 10^{-6}$	1.2
Shallow Groundwater	$1.1 \times 10^{-6}$	0.068	Shallow Groundwater	$1.1 \times 10^{-6}$	0.068	$2.1 \times 10^{-7}$	0.22
Intermediate and Deep Groundwater	$1.4 \times 10^{-6}$	0.018	Intermediate and Deep Groundwater	$1.4 \times 10^{-6}$	0.018	$2.7 \times 10^{-7}$	0.08
<b>Non-Tidal Wetland Areas</b>							
All Exposure Media	$8.4 \times 10^{-5}$	0.31	All Exposure Media	$8.3 \times 10^{-5}$	0.36	$1.1 \times 10^{-5}$	1.6
Soil (0 to 2 Feet)	$6.5 \times 10^{-5}$	0.20	Soil (0 to 10 Feet)	$6.4 \times 10^{-5}$	0.25	$1.1 \times 10^{-5}$	1.3
Shallow Groundwater	$1.1 \times 10^{-6}$	0.068	Shallow Groundwater	$1.1 \times 10^{-6}$	0.068	$2.1 \times 10^{-7}$	0.22
Intermediate and Deep Groundwater	$1.4 \times 10^{-6}$	0.018	Intermediate and Deep Groundwater	$1.4 \times 10^{-6}$	0.018	$2.7 \times 10^{-7}$	0.059
Surface Water	$1.7 \times 10^{-5}$	0.02	Surface Water	$1.7 \times 10^{-5}$	0.02	NA	NA
<b>Containment Area<sup>2</sup></b>							
<b>Current Exposure Scenario</b>			<b>Future Exposure Scenario</b>				
<b>Commercial/Industrial Worker</b>							
Location	Cancer Risk	Hazard Index	Location	Cancer Risk	Hazard Index		
All Exposure Media	$1.9 \times 10^{-3}$	28	All Exposure Media	$1.9 \times 10^{-3}$	28		
Soil (0 to 2 Feet)	$2.9 \times 10^{-4}$	6	Soil (0 to 2 Feet)	$2.9 \times 10^{-4}$	5.9		
Shallow Groundwater	$1.6 \times 10^{-3}$	22	Shallow Groundwater	$6.1 \times 10^{-3}$	22		
Intermediate and Deep Groundwater	$3.8 \times 10^{-6}$	0.05	Intermediate and Deep Groundwater	$3.8 \times 10^{-6}$	0.05		

Notes:

1 - No individual chemical has an individual Hazard Index (HI) greater than 1, and no individual target organ noncancer HI exceeded 1

2 - Recreational users not evaluated for Containment Area

NA - Not applicable